

GIRDER SCHEDULE																															
SPAN	GIRDER	GIRDER HEIGHT H	"A" DIMENSION AT ℄ BEARINGS	L	LL	LT	θ <sub>1</sub>	θ <sub>2</sub>	PLAN LENGTH (ALONG GIRDER GRADE)	MIN. CONC. COMP. STRENGTH		NUMBER OF STRAIGHT STRANDS	NUMBER OF TEMP. STRANDS	E	STRAIGHT STR. TO EXTEND		STRAIGHT STRANDS TO DEBOND						DECK SCREED CAMBER C	D		REINFORCEMENT DETAILS					
										@ 28-DAYS F/C (KSI)	@ RELEASE F/C (KSI)				END 1	END 2	STRANDS TO DEBOND	SLEEVED LENGTH AT ENDS TO PREVENT BOND	STRANDS TO DEBOND	SLEEVED LENGTH AT ENDS TO PREVENT BOND	STRANDS TO DEBOND	SLEEVED LENGTH AT ENDS TO PREVENT BOND		LOWER BOUND @ 40 DAYS	UPPER BOUND @ 120 DAYS	V1	V2	V3	V4	V5	V6
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	℄ TO ℄	℄ TO ℄	℄ TO ℄	-	℄ TO ℄	-	℄ TO ℄	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

GIRDER NOTES

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE 0.6"Ø AASHTO M203 GRADE 270 LOW RELAXATION STRANDS, JACKED TO 202.5 KSI.
3. CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN.
4. THE TOP SURFACE OF THE GIRDER SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)L OF THE STANDARD SPECIFICATIONS.
6. ALL REINFORCING STEEL SPLICES SHALL BE 2'-0" MINIMUM, UNLESS SHOWN OTHERWISE.
7. STRUCTURAL STEEL SHAPES AND ASSEMBLIES SHALL BE ASTM A36. THEY SHALL BE PAINTED WITH A PRIMER COAT IN ACCORDANCE WITH STD. SPEC. 6-07.3(9). WELD TIES SHALL BE PAINTED WITH A FIELD PRIMER COAT OF AN ORGANIC ZINC PAINT AFTER FIELD WELDING.
8. NO TRAFFIC SHALL BE ALLOWED UNTIL THE BRIDGE DECK CONCRETE HAS ATTAINED A MINIMUM STRENGTH OF 3000 PSI.
9. TEMPORARY STRANDS SHALL BE UNBONDED OVER ALL BUT THE END 10'-0" OF THE SLAB LENGTH. TEMPORARY STRANDS SHALL BE CUT AFTER ALL VOIDED SLABS ARE ERECTED, BUT BEFORE ROADWAY CONCRETE SLAB IS CAST.
10. DEFORMED WELDED WIRE REINFORCEMENT CONFORMING TO SECTION 9-07.7 WITH DEFORMED WIRE CONFORMING TO SECTION 9-07.8 MAY BE SUBSTITUTED FOR MILD STEEL REINFORCEMENT IF AASHTO LRFD BRIDGE DESIGN SPECIFICATION REQUIREMENTS (INCLUDING DEVELOPMENT AND ANCHORAGE) ARE MET. WELDED WIRE REINFORCEMENT SHALL HAVE THE SAME AREA AND SPACING AS THE MILD STEEL REINFORCEMENT THAT IT REPLACES AND THE YIELD STRENGTH SHALL BE GREATER THAN OR EQUAL TO 60 KSI. SHEAR STIRRUP LONGITUDINAL WIRES AND TACK WELDS SHALL BE EXCLUDED FROM GIRDER WEBS. LONGITUDINAL WIRES FOR ANCHORAGE OF WELDED WIRE REINFORCEMENT SHALL HAVE AN AREA OF 40% OR MORE OF THE AREA OF THE WIRE BEING ANCHORED BUT SHALL NOT BE LESS THAN D4.

NOTES TO DESIGNER:

1. SLAB GIRDER DETAIL SHEETS 1 TO 3 ARE INTENDED TO BE USED AS IS WITHOUT NEED FOR MODIFICATION FOR MOST PROJECTS. PROJECT SPECIFIC GIRDER DETAILS ARE THEN LIMITED TO THE GIRDER SCHEDULE.
2. V1 SPA. @ V2 IS INTENDED TO BE THE SPLITTING RESISTANCE ZONE DEFINED BY BDM 5.6.2.F.
3. V3 SPA. @ V4 IS INTENDED TO BE THE CONFINEMENT REINFORCEMENT ZONE DEFINED BY BDM 5.6.2.G.
4. DIMENSIONS IN THE GIRDER SCHEDULE SHALL BE SHOWN TO THE NEAREST 1/8TH INCH.
5. THESE SHEETS ASSUME STANDARD GIRDER WIDTHS. GIRDER WIDTHS MAY VARY FROM THE STANDARD WIDTH UP TO 8'-0" BUT THESE SHEETS MUST BE MODIFIED ACCORDINGLY.
6. MAXIMUM GIRDER LENGTHS ARE AS FOLLOWS:  
33.33 FT FOR H = 12"  
50.00 FT FOR H = 18"  
72.22 FT FOR H = 26"  
83.33 FT FOR H = 30"  
100.00 FT FOR H = 36"
7. PROVIDE A LONGITUDINAL ℄ #4 IN CIP ROADWAY SLAB INSIDE [G9] HOOKS (TYP.)
8. DOWEL BARS AND HOLES MAY BE DELETED IF TRANSVERSE STOPS ARE PROVIDED. CHECK DOWEL BARS FOR ADEQUACY.
9. GAP BETWEEN SLAB UNITS MAY VARY AT OR NEAR CROWNS OR SUPERELEVATION ANGLE POINTS. CONSIDER A LARGER CONNECTION ROD OR PLATE IF NECESSARY.
10. PLACE DEBONDED STRANDS IN INTERIOR LOCATIONS WITHIN SECOND ROW IF POSSIBLE.
11. MAXIMUM SKEW ANGLE IS 30°.
12. THIS STANDARD IS INTENDED TO BE USED WITH A 5" MINIMUM CIP CONCRETE DECK. MODIFICATIONS ARE REQUIRED IF THIS STANDARD IS USED WITH AN HMA OVERLAY.

Bridge Design Engr.	M:\STANDARDS\Girders\Flat Slab\SLAB SCHEDULE AND NOTES.MAN											REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS		
Supervisor																		
Designed By											10	WASH.						
Checked By																		
Detailed By											JOB NUMBER							
Bridge Projects Engr.																		
Prelim. Plan By																		
Architect\Specialist	DATE	REVISION					BY	APPD										

BRIDGE  
AND  
STRUCTURES  
OFFICE



Washington State  
Department of Transportation

STANDARD  
PRESTRESSED CONCRETE GIRDERS

SLAB GIRDER  
GIRDER SCHEDULE

BRIDGE  
SHEET  
NO.  
  
SHEET  
  
OF  
  
SHEETS